Pace Analytical®
Pace Analytical Services, Inc.

CERTIFICATE OF ANALYSIS

Service Location	Received	Lab ID
PACE ANALYTICAL SERVICES, INC. 7901 W. MORRIS ST. INDIANAPOLIS, IN 46231 (317)243-8304	17-SEP-14	AA27755
	Completed	**PO Number**
	19-SEP-14	CREDIT CARD
	Printed	**Sampled**
	22-SEP-14	17-SEP-14 09:35

Report To	Bill To
JASON HATFIELD WASTE MANAGEMENT, INC 3333 NORTH FRANKLIN ROAD INDIANAPOLIS, IN 46226	WASTE MANAGEMENT 1150 SOUTHEASTERN AVENUE INDIANAPOLIS, IN 46202

Sample Description

CLIENT ID: LIQUID COMPACTOR
MATRIX TYPE: SLUDGE, SOIL, SOLID OR SEDIMENT
SUBMITTER: 10775 - WASTE MANAGEMENT, INC - INDIANAPOLIS
DATA PACKAGE #: N/A
DESCRIPTION: BULK LIQUID FROM A COMPACTOR

PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C

Analyst: T. DAHN | Analysis Date: 17-SEP-14 | Instrument: PREP | Test: P230.1.0

Parameter	Result	Det. Limit	Units
INITIAL WEIGHT OR VOLUME	1000		mL
FINAL VOLUME	5		mL

PCB AROCLORS BY GAS CHROMATOGRAPHY/ECD SW846-8082A

NELAC:Y

Analyst: T. WATSON | Analysis Date: 17-SEP-14 14:09 | Instrument: GC/ECD | Test: O301.7.0

Prep: PCB SEPARATORY FUNNEL LIQUID-LIQUID EXTRACTION SW846-3510C P230.1.0

Parameter	Result	Det. Limit	Units
PCB AROCLOR 1016	BDL	0.10	ug/L
PCB AROCLOR 1221	BDL	0.10	ug/L
PCB AROCLOR 1232	BDL	0.10	ug/L
PCB AROCLOR 1242	BDL	0.10	ug/L
PCB AROCLOR 1248	BDL	0.10	ug/L
PCB AROCLOR 1254	BDL	0.10	ug/L
PCB AROCLOR 1260	2.4	0.10	ug/L
PCB AROCLOR 1262	BDL	0.10	ug/L
...			
SURROGATE RECOVERY			

DECACHLOROBIPHENYL (DCB)	34.0		% Rec

Matrix interference may mask low level analytes.

Sample Comments

BDL Below Detection Limit

Sample was received on ice at temperature 14.2 C.

Sample Comments

Sample chain of custody number 19271.

This Certificate shall not be reproduced, except in full, without the written approval of the lab. The sample results relate only to the analytes of interest tested or to the sample as received by the lab. Pace Analytical Services, INC. certifies that the test results indicated as NELAP (National Environmental Laboratory Accreditation Program) accredited (Yes for NELAP) meet all requirements of NELAP and Kansas (KDHE) unless otherwise explained or justified as to the the exact nature of the deviations.
KS ELAP / NELAP Accreditation # E-10177 Indiana SDWA C-49-01

Approved by: CHRISTOPHER BOYLE 22-SEP-14

PACE ANALYTICAL SERVICES, INC.
7901 W Morris St Indianapolis, IN 46231
www.pacelabs.com (800)827-4374 Fax:(317)486-5095

19271

01108191

Submitter Name: **WASTE MANAGEMENT, INC - INDIANAPOLIS (10775)**

Project Name: Wal-Mart - Liquid Compactor

Z Quote No: **Z161398**

PO No: **CREDIT CARD**

Contact: CHRISTOPHER BOYLE (317)390-3128

Sample Turn Around Time

Standard: ____ Rush Date 09 / 22 / 14 (Mo / Day / Yr)

Accelerated TAT subject to Additional Charge. ASAP Date must be Accepted and Approved by Lab.

Sampled By: Jason Hatfield

Analyses Requested (Note special detection limits or methods)

Comments:

Date Sampled	Time Sampled	Comp	Grab	Sample ID and/or Location where your sample was taken	Sample Type (Matrix): Water, Soil, Oil, Sludge, Swipe, Other	Number of Containers	PCB Aroclors	Remarks:	Lab use only Sample No.
9/17/14	9:35 AM PM	X		Liquid Compactor	W	2	X		AA27755
	AM PM								
	AM PM								
	AM PM								
	AM PM								
	AM PM								
	AM PM								
	AM PM								
	AM PM								
	AM PM								

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Jason Hatfield	9/17/14 11:42AM	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Received for Lab by: (Signature)	Date: 9/17/14	Temperature: 14.2 °C
	Time: 1142	Received On Ice: ~~Yes~~ / No

Laboratory use only	Yes	No	NA
Custody seals intact on cooler?	-		
C. seals intact on containers?			-
Broken containers?		-	
COC agree with sample labels?	-		
Correct containers for testing?	-		
Headspace issues acceptable?	-		
Holding time(s) acceptable?	-		
Preservative pH's acceptable?			
Was pH left unadjusted?			

Send Report To:

Co: WASTE MANAGEMENT, INC
Addr: 3333 NORTH FRANKLIN ROAD
INDIANAPOLIS, IN 46226
Attn: JASON HATFIELD
Phone: (317)607-6391
Fax:
email: jhatfie2@wm.com

Sample Receiving Check Sheet

COC ID: 210891

	Sulfuric plastic <2	Sulfuric Diss Plastic<2	Sulfuric glass <2	Nitric plastic <2	Nitric Diss Plastic <2	NaOH/ZnAOC <12	NaOH plastic >12	preservative added?	pH after addition	Residual C12 present Y/N	Headspace >1/4"	Sample is UNP or other than aqueous	HCL Presered Containers*	Comments
Line 1 on COC												X		
Line 2 on COC														
Line 3 on COC														
Line 4 on COC														
Line 5 on COC														
Line 6 on COC														
Line 7 on COC														
Line 8 on COC														
Line 9 on COC														
Line 10 on COC														
Line 11 on COC														
Line 12 on COC														
Line 13 on COC														
Line 14 on COC														
Line 15 on COC														
Line 16 on COC														
Line 17 on COC														
Line 18 on COC														
Line 19 on COC														
Line 20 on COC														
Line 21 on COC														
Line 22 on COC														
Line 23 on COC														
Line 24 on COC														
Line 25 on COC														

Aqueous samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container then record the pH in the box. If approved by the project chemist then add acid or base to the sample to achieve the correct pH. Add up to two times the volume initially added to the sample container. Record pH after the addition of this preservative.

Preservative sizes for addition:

120ml NaOH	1 mL
500ml H2SO4	2 mL
1000ml H2SO4	4 mL
500ml HNO3	2 mL
1000ml HNO3	4 mL

Drop Off FedEx UPS Courier

Tracking #

Checked by

***pH of HCL preserved containers checked by analysts**

Comments: